

PTO/SB/21 (08-03)

Approved for use through 08/30/2003. OMB 0651-0031

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/750,293
	Filing Date	December 31, 2003
	First Named Inventor	Sangeeta N. BHATIA
	Art Unit	unknown
	Examiner Name	unknown
Total Number of Pages in This Submission	Attorney Docket Number	BUCSD 1025964

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Form PTO/SB08A& PTO/SB08B, 15 Cited References, Returned Potcard;
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Colleen McKiernan
Signature	
Date	May 7, 2004

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Cindy Guido		
Signature		Date	May 7, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of)
Sangeeta N. BHATIA) FOR: MICROFABRICATED BIOPOLYMER
Serial No.: 10/750,293) SCAFFOLDS AND METHOD OF
Filed: December 31, 2003) MAKING SAME
Group
Art Unit: unknown

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98

Mail Stop DD
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Attention: Examiner

Dear Sir:

Applicant submits herewith references of which he is aware, which he believes may be material to patentability of the invention disclosed and claimed in the above-cited application and with respect to which there may be a duty to disclose in accordance with 37 C.F.R. § 1.56.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on:

May 7, 2004

(Mailing Date)

Cindy Guido

(Typed Name)

Cindy Guido

(Signature)

May 7, 2004

(Date of Signature)

Applicant is submitting herewith copies of the references which are set forth on the attached Form PTO/SB/08A and PTO/SB/08B. As all relevant parts of the references are in the English language, no explanation of the references is provided herein.


This Information Disclosure Statement is submitted within three (3) months of the filing date of the above-cited application or of the date of entry into the national phase of the application or prior to the mailing date of a first Office Action thereon, whichever has occurred last, such that no fee is required.

Further, while the references provided in this Information Disclosure Statement may be material to patentability pursuant to 37 C.F.R. § 1.56, it is not intended to constitute an admission that any reference referred to herein is prior art for this invention unless specifically designated as such.

Also, in accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. § 1.56(a) exists.

Respectfully submitted,

Dated: May 7, 2004

By: 
Colleen J. McKiernan
Agent for Applicant
Registration No. 48,570

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Docket No.: BUCSD 1025964 [6627-PA2001]

PTO/SB/08A (08-03)



PTO/SB/08B (08-03)

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/750,293
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First Named Inventor	Sangeeta N. BHATIA
Art Unit	unknown
Examiner Name	unknown
Attorney Docket Number	BUCSD 1025965

Sheet	2	of	3
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/	5.	Bhatia SN, and Chen C (1999) Tissue Engineering at the Micro-Scale, Biomedical Microdevices 2:131-144.	
/	6	Bhatia, S.N., Balis U, Yarmush ML, and Toner M, Effect of Cell-Cell interactions in preservation of cellular phenotype: Co-Cultivation of Hepatocytes and Non-Parenchymal Cells, FASEB J, (1999), 13(14): p. 1883-1990.	
/	7	Borenstein J.T., Terai H, King K.R., Weinberg E.J., Kaazempur-Mofrad M.R., and Vacanti J.P. Microfabrication Technology for Vascularized Tissue Engineering. Biomedical Microdevices, 2002 (4:3) p167-175.	
/	8	Chu TM, Orton DG, Hollister SJ, Feinberg SE, and Halloran JW. (2002) Mechanical and in vivo performance of hydroxyapatite implants with controlled architectures. Biomaterials, 23:1283-1293.	
/	9	Hermanson, G.T. (1996) Bioconjugate Techniques. Academic Press. Kapur R, Spargo BJ, Chen MS, Calvert JM, Rudolph AS (1996) Fabrication and selective surface modification of 3-dimensionally textured biomedical polymers from etched silicon substrates, J Biomed Mater Res. 33:205-16.	
/	10	Mikos A.G., Sarakinos G., Leite S.M., Vacanti J.P., Langer R. (1993) Laminated three-dimensional biodegradable foams for use in tissue engineering, Biomaterials 14:323-330	
/	11	Mrksich, M., et al., (1997) Using microcontact printing to pattern the attachment of mammalian cells to self-assembled monolayers of alkanethiolates on transparent films of gold and silver. Experimental Cell Research 235:305-13.	
/	12	Park A, Wu B, Griffith LG (1998) Integration of surface modification and 3D fabrication techniques to prepare patterned poly(L-lactide) substrates allowing regionally selective cell adhesion, J Biomater Sci Polym Ed. 9:89-110.	
/	13	Shastri VP, Martin I, Langer R. (2000), Macroporous polymer foams by hydrocarbon templating. Proc Natl Acad Sci USA. 97:1970-5.	
/	14	Zein I, Hutmacher DW, Tan KC, Teoh SH. (2000) Fused deposition modeling of novel scaffolds architectures for tissue engineering applications. Biomaterials 23:1169-1185	

Examiner Signature		Date Considered	
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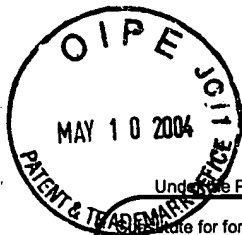
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Sheet 3 of 3

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/	15	Zhao B., Moore J.S., Beebe D.J. (2001) Surface-directed liquid flow inside microchannels. Science 291: 1023	

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SignatureDate
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